

ATENT COOPERATION TREAT

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

| Applicant's or agent's file reference YG12-12PCT | FOR FURTHER ACTION | SeeNotificati Examination | onofTransmittalofInternational Preliminary Report (Form PCT/IPEA/416) |
|---|--|-----------------------------------|--|
| International application No. PCT/JP00/04862 | International filing date (day/n 19 July 2000 (19.0° | | Priority date (day/month/year) |
| International Patent Classification (IPC) or na C12Q 1/68, C12N 15/29, C07K 1 | ational classification and IPC | | 19 July 1999 (19.07.99) |
| Applicant JAPAN SCI | ENCE AND TECHNOLO | OGY CORPO | DRATION |
| 2. This REPORT consists of a total of _ This report is also accompani been amended and are the basi | 3 sheets, including ted by ANNEXES i.e. sheets | g this cover she | tion, claims and/or drawings which have |
| These annexes consist of a tota | | under the PC |). |
| IV Lack of unity of inven V Reasoned statement ur citations and explanati VI Certain documents cite VII Certain defects in the i | opinion with regard to novelty, tion inder Article 35(2) with regard to ons supporting such statement | | and industrial applicability ntive step or industrial applicability; |
| Date of submission of the demand | Date of co | Date of completion of this report | |
| 16 February 2001 (16.02. | 01) | 28 September 2001 (28.09.2001) | |
| Name and mailing address of the IPEA/JP | Authorize | d officer | |
| Facsimile No. | Telephone | No. | |

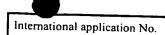


INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP00/04862

| I. Basis | of the report |
|------------|--|
| 1. With | regard to the elements of the international application:* |
| | the international application as originally filed |
| | the description: |
| | Pages |
| | pages, as originally fil |
| l | pages filed with the dema |
| | the claims: |
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| | . filed with the demai |
| | pages, filed with the letter of |
| | the drawings: |
| | pages, as originally file |
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| th | e sequence listing part of the description: |
| | pages, as originally file |
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| | pages, filed with the letter of |
| These | egard to the language, all the elements marked above were available or furnished to this Authority in the language in which is contained application was filed, unless otherwise indicated under this item. elements were available or furnished to this Authority in the following language which is the language of a translation furnished for the purposes of international search (under Rule 23.1(b)). the language of publication of the international application (under Rule 48.3(b)). the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and 55.3). |
| | regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international nary examination was carried out on the basis of the sequence listing: contained in the international application in written form. The international application in computer readable form. The international application in computer readable form. The international application in written form. The international application in computer readable form. The international application in written form. |
| | The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished. |
| | the claims, Nos the drawings, sheets/fig |
| | is report has been established as if (some of) the amendments had not been made, since they have been considered to go yound the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).** |
| and 70.1 | , and the second |
| * Any repl | acement sheet containing such amendments must be referred to under item ! and annexed to this report. |



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

PCT/JP00/04862

| atement | | | |
|-------------------------------|--------|-------|-------|
| Novelty (N) | Claims | 1-125 | YE |
| | Claims | | NC |
| Inventive step (IS) | Claims | 1-125 | YE |
| | Claims | | NC NC |
| Industrial applicability (IA) | Claims | 1-125 | YE |
| | Claims | | |

2. Citations and explanations

Document 1: J. Plant Res., 1997, Vol. 110, No. 1097, pages 31-36

Document 2: J. Plant Res., 1997, Vol. 110, No. 1097, pages 25-29

Document 3: Plant Physiol., 1998, Vol. 115, pages 1211-1219

Document 4: Plant Physiol., 1996, Vol. 110, pages 249-257

Claims 1-125

The subject matters of claims 1-125 appear to involve an inventive step in view of documents 1-4 cited in the ISR.

Documents 1-4 do not describe the DNA encoding a protein having environmental stress resistance enhancing activity of the invention of the present application, and a person skilled in the art could not have easily conceived of this constitution.